

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Inventor: Ni et al. Art Unit: 1642
 Appl. No.: 09/263,689 Filed: March 5, 1999
 Title: Galectin 9 and 10SV Polypeptides
 1 Sheet of 18 Sheets
 Docket No.: 1488.0560002

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10          30          50
TTCGGCACGAGAGCTCTTCTCACAGGACCAGCCACTAGCGCACCTCGAGCGATGGCCTAT
                                     M A Y
70          90          110
GTCCCCGCACCGGGCTACCAGCCCACCTACAACCCGACGCTGCCTTACTACCAGCCCATC
V P A P G Y Q P T Y N P T L P Y Y Q P I
130         150         170
CCGGGCGGGCTCAACGTGGGAATGTCTGTTTACATCCAAGGAGTGGCCAGCGAGCACATG
P G G L N V G M S V Y I Q G V A S E H M
190         210         230
AAGCGGTTCTTCGTGAACTTTGTGGTTGGGACAGGATCCGGGCTCAGACGTGCCTTCCAC
K R F F V N F V V G Q D P G S D V A F H
250         270         290
TTCAATCCGCGGTTTGACGGCTGGGACAAGGTGGTCTTCAACACGTTGCAGGGCGGGAAG
F N P R F D G W D K V V F N T L Q G G K
310         330         350
TGGGGCAGCGAGGAGAGGAAGAGGAGCATGCCCTTCAAAAAGGGTGCCGCCCTTTGAGCTG
W G S E E R K R S M P F K K G A A F E L
370         390         410
GTCTTCATAGTCCTGGCTGAGCACTACAAGGTGGTGGTAAATGGAAATCCCTTCTATGAG
V F I V L A E H Y K V V V N G N P F Y E
430         450         470
TACGGGCACCGGCTTCCCCTACAGATGGTCACCCACCTGCAAGTGGATGGGGATCTGCAA
Y G H R L P L Q M V T H L Q V D G D L Q
490         510         530
CTTCAATCAATCAACTTCATCGGAGGCCAGCCCCTCCGGCCCCAGGGACCCCGATGATG
L Q S I N F I G G Q P L R P Q G P P M M
550         570         590
CCACCTTACCCTGGTCCCGGACATTGCCATCAACAGCTGAACAGCCTGCCACCATGGAA
P P Y P G P G H C H Q Q L N S L P T M E
610         630         650
GGACCCCCAACCTTCAACCCGCTGTGCCATATTTGGGAGGCTGCAAGGAGGGCTCACA
G P P T F N P P V P Y F G R L Q G G L T
670         690         710
GCTCGAAGAACCATCATCATCAAGGGCTATGTGCCTCCCACAGGCAAGAGCTTTGCTATC
A R R T I I I K G Y V P P T G K S F A I
730         750         770
AACTTCAAGGTGGGCTCCTCAGGGGACATAGCTCTGCACATTAATCCCCGCATGGGCAAC
N F K V G S S G D I A L H I N P R M G N
790         810         830
GGTACCGTGGTCCGGAACAGCCTTCTGAATGGCTCGTGGGGATCCGAGGAGAAGAAGATC
G T V V R N S L L N G S W G S E E K K I
850         870         890
ACCCACAACCCATTTGGTCCCGACAGTTCTTTGATCTGTCCATTGCTGTGGCTTGGAT
T H N P F G P G Q F F D L S I R C G L D
910         930         950
CGCTTCAAGGTTTACGCCAATGGCCAGCACCTCTTTGACTTTGCCCATCGCCTCTCGGCC
R F K V Y A N G Q H L F D F A H R L S A
970         990         1010
TTCCAGAGGGTGGACACATTGGAATCCAGGGTGATGTCACCTTGTCTATGTCCAGATC
F Q R V D T L E I Q G D V T L S Y V Q I
1030        1050        1070
TAATCTATTCTGGGGCCATAACTCATGGGAAAACAGAATTATCCCCTAGGACTCCTTTC
*
1090        1110        1130
TAAGCCCCTAATAAAATGTCTGAGGGTGTCTCATGAAAAAAAAAAAAAAAAAAAAA

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FIG. 1

APPROVED	O. G. FIG.	
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Inventor: Ni et al. Art Unit: 1642
 Appl. No.: 09/263,689 Filed: March 5, 1999
 Title: Galectin 9 and 10SV Polypeptides
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      10              30              50
AGAGGCGGCGGAGAGATGGCCTTCAGCGGTTCCCAGGCTCCCTACCTGAGTCCAGCTGTC
      M A F S G S Q A P Y L S P A V
      70              90              110
CCCTTTTCTGGGACTATTCAAGGAGGTCTCCAGGACGGACTTCAGATCACTGTCAATGGG
P F S G T I Q G G L Q D G L Q I T V N G
      130              150              170
ACCGTTCTCAGCTCCAGTGAACCAAGGTTTGCTGTGAACTTTCAGACTGGCTTCAGTGGA
T V L S S S G T R F A V N F Q T G F S G
      190              210              230
AATGACATTGCCTTCCACTTCAACCCTCGGTTTGAAGATGGAGGGTACGTGGTGTGCAAC
N D I A F H F N P R F E D G G Y V V C N
      250              270              290
ACGAGGCAGAACGGAAGCTGGGGGCCCCGAGGAGAGGAAGACACACATGCCCTTCCAGAAG
T R Q N G S W G P E E R K T H M P F Q K
      310              330              350
GGGATGCCCTTTGACCTCTGCTTCTGCTGTCAGAGCTCAGATTTCAAGGTGATGGTGAAC
G M P F D L C F L V Q S S D F K V M V N
      370              390              410
GGGATCCTCTTCGTGCAGTACTTCCACCGCGTGCCCTTCCACCGTGTGGACACCATCTCC
G I L F V Q Y F H R V P F H R V D T I S
      430              450              470
GTCAATGGCTCTGTGCAGCTGTCTACATCAGCTTCCAGACCCAGACAGTCATCCACACA
V N G S V Q L S Y I S F Q T Q T V I H T
      490              510              530
GTGCAGAGCGCCCTGGACAGATGTTCTCTACTCCCGCCATCCACCTATGATGTACCCC
V Q S A P G Q M F S T P A I P P M M Y P
      550              570              590
CACCCCGCCTATCCGATGCCTTTCATCACCACCATCTGGGAGGGCTGTACCCATCCAAG
H P A Y P M P F I T T I L G G L Y P S K
      610              630              650
TCCATCCTCCTGTGAGGCACTGTCTGCCCAGTGCTCAGAGGTTCCACATCAACCTGTGC
S I L L S G T V L P S A Q R F H I N L C
      670              690              710
TCTGGGAACCACATCGCCTTCCACCTGAACCCCCGTTTTGATGAGAATGCTGTGGTCCGC
S G N H I A F H L N P R F D E N A V V R
      730              750              770
AACACCCAGATCGACAACCTCCTGGGGGTCTGAGGAGCGAAGTCTGCCCGAAAAATGCCC
N T Q I D N S W G S E E R S L P R K M P
      790              810              830
TTCGTCCGTGGCCAGAGCTTCTCAGTGTGGATCTTGTGTGAAGCTCACTGCCTCAAGGTG
F V R G Q S F S V W I L C E A H C L K V
      850              870              890
GCCGTGGATGGTCAGCACCTGTTTGAATACTACCATCGCCTGAGGAACCTGCCACCATC
A V D G Q H L F E Y Y H R L R N L P T I
      910              930              950
AACAGACTGGAAGTGGGGGGCGACATCCAGCTGACCCATGTGCAGACATAGGCGGCTTCC
N R L E V G G D I Q L T H V Q T *
      970              990              1010
TGGCCCTGGGGCCGGGGGCTGGGGTGTGGGGCAGTCTGGGTCCTCTCATCATCCCCACTT
      1030              1050              1070
CCCAGGCCAGCCTTTCCAACCCTGCCTGGGATCTGGGCTTTAATGCAGAGGCCATGTCC
      1090              1110              1130
TTGTCTGGTCTGCTTCTGGCTACAGCCACCCTGGAACGGAGAAGGCAGCTGACGGGGAT

```

FIG. 2A

APPROVED	O. G. FIG.	
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1150	1170	1190
TGCCTTCCTCAGCCGCAGCAGCACCTGGGGCTCCAGCTGCTGGAAATCCTACCATCCCAG		
1210	1230	1250
GAGGCAGGCACAGCCAGGGAGAGGGGAGGAGTGGGCAGTGAAGATGAAGCCCCATGCTCA		
1270	1290	1310
GTCCCCTCCCATCCCCACGCAGCTCCACCCCAGTCCCAAGCCACCAGCTGTCTGCTCCT		
1330	1350	1370
GGTGGGAGGTGGCCTCCTCAGCCCCCTCCTCTCTGACCTTTAACCTCACTCTCACCTTGCA		
1390	1410	1430
CCGTGCACCAACCCTTCACCCCTCCTGGAAAGCAGGCCTGATGGCTTCCCACTGGCCTCC		
1450	1470	1490
ACCACCTGACCAGAGTGTTCTCTTCAGAGGACTGGCTCCTTTCCCAGTGTCTTAAATA		
1510	1530	
AAGAAATGAAAATGCTTGTTGGCAAAAAAAAAAAAAAAAAAAAAA		

FIG.2B

APPROVED	O.G. FIG.	
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Inventor: Ni et al. Art Unit: 1642
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 Title: Galectin 9 and 10SV Polypeptides
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      10              30              50
ACACCAGTCTTTGGGGCCAGTGCCTCAGTTTCAATCCAGGTAACCTTTAAATGAAACTTG
      70              90              110
CCTAAAATCTTAGGTCATACACAGAAGAGACTCCAATCGACAAGAAGCTGGAAAAGAATG
                                          M
      130             150             170
ATGTTGTCCTTAAACAACCTACAGAAATATCATCTATAACCCGGTAATCCCGTTTGTTGGC
M L S L N N L Q N I I Y N P V I P F V G
      190             210             230
ACCATTCCTGATCAGCTGGATCCTGGAACCTTGATTGTGATACGTGGGCATGTTCTAGT
T I P D Q L D P G T L I V I R G H V P S
      250             270             290
GACGCAGACAGATTCCAGGTGGATCTGCAGAAATGGCAGCAGTGTGAAACCTCGAGCCGAT
D A D R F Q V D L Q N G S S V K P R A D
      310             330             350
GTGGCCTTTTCATTTCAATCCTCGTTTCAAAGGGCCGGCTGCATTGTTTGCAATACTTTG
V A F H F N P R F K R A G C I V C N T L
      370             390             410
ATAAATGAAAAATGGGGACGGGAAGAGATCACCTATGACACGCCTTTCAAAGAGAAAAAG
I N E K W G R E E I T Y D T P F K R E K
      430             450             470
TCTTTTGAGATCGTGATTATGGTGCTAAAGGACAAATTCCAGGTGGCTGTAAATGGAAAA
S F E I V I M V L K D K F Q V A V N G K
      490             510             530
CATACTCTGCTCTATGGCCACAGGATCGGCCAGAGAAAATAGACACTCTGGGCATTTAT
H T L L Y G H R I G P E K I D T L G I Y
      550             570             590
GGCAAAGTGAATATTTCACTCAATTGGTTTTAGCTTCAGCTCGGACTTACAAAGTACCCAA
G K V N I H S I G F S F S S D L Q S T Q
      610             630             650
GCATCTAGTCTGGAACCTGACAGAGATAGTTAGAGAAAATGTTCCAAAGTCTGGCACGCCC
A S S L E L T E I V R E N V P K S G T P
      670             690             710
CAGCTTAGCCTGCCATTCGCTGCAAGGTTGAACACCCCCATGGGCCCTGGACGAACTGTC
Q L S L P F A A R L N T P M G P G R T V
      730             750             770
GTCGTTAAAGGAGAAGTGAATGCAAATGCCAAAAGCTTTAATGTTGACCTACTAGCAGGA
V V K G E V N A N A K S F N V D L L A G
      790             810             830
AAATCAAAGGATATTGCTCTACACTTGAACCCACGCCTGAATATTAAGCATTTGTGAGA
K S K D I A L H L N P R L N I K A F V R
      850             870             890
AATTCCTTTTCTTCAAGAGTCCTGGGGAGAAGAAGAGAGAAATATTACCGCTTTCCATTT
N S F L Q E S W G E E E R N I T A F P F
      910             930             950
AGTCCTGGGATGTACTTTGAGATGATAATTTATTGTGATGTTAGAGAATTCAAGGTTGCA
S P G M Y F E M I I Y C D V R E F K V A
      970             990             1010
GTAAATGGCGTACACAGCCTGGAGTACAAACACAGATTTAAAGAGCTCAGCAGTATTGAC
V N G V H S L E Y K H R F K E L S S I D
      1030             1050             1070
ACGCTGGAAATTAATGGAGACATCCACTTACTGGAAGTAAGGAGCTGGTAGCCTACCTAC
T L E I N G D I H L L E V R S W *

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FIG.3A

APPROVED	O G. FIG.	
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1090	1110	1130
ACAGCTGCTACAAAAACCAAATACAGAATGGCTTCTGTGATACTGGCCTTGCTGAAACG		
1150	1170	1190
CATCTCACTGTCATTCTATTGTTTATATTGTTAAAATGAGCTTGTGCACCATTAGGTCCT		
1210	1230	1250
GCTGGGTGTTCTCAGTCCTTGCCATGAAGTATGGTGGTGTCTAGCACTGAATGGGGAAAC		
1270	1290	1310
TGGGGGCAGCAACACTTATAGCCAGTTAAAGCCACTCTGCCCTCTCTCCTACTTTGGCTG		
1330	1350	1370
ACTCTTCAAGAATGCCATTCAACAAGTATTTATGGAGTCCTACTATATACAGTAGCTAAC		
1390	1410	1430
ATGTATTGAGCACAGATTTTTTTGGTAAACCTGTGAGGGCTAGGGTATATCCTTGGGAAC		
1450	1470	
AAACCAGAATGTCCTGTCCCTTGAAAAAAAAAAAAAAAAA		

FIG.3B

APPROVED	O. G. FIG.	
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Inventor: Ni et al. Art Unit: 1642
 Appl. No.: 09/263,689 Filed: March 5, 1999
 Title: Galectin 9 and 10SV Polypeptides
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ACACCAGTCTTTGGGGCCAGTGCCTCAGTTTCAATCCAGGTAACCTTTAAATGAACTTG
 CCTAAAATCTTAGGTCATACACAGAAGAGACTCCAATCGACAAGAAGCTGGAAAAGAATG
 M
 ATGTTGTCCTTAAACAACCTACAGAATATCATCTATAACCCGGTAATCCCGTTTGTGGC
 M L S L N N L Q N I I Y N P V I P F V G
 ACCATTCTGATCAGCTGGATCCTGGAACCTTTGATTGTGATACGTGGGCATGTTCTAGT
 T I P D Q L D P G T L I V I R G H V P S
 GACGCAGACAGATTCCAGGTGGATCTGCAGAATGGCAGCAGCATGAAACCTCGAGCCGAT
 D A D R F Q V D L Q N G S S M K P R A D
 GTGGCCTTTCAATTTCAATCCTCGTTTCAAAGGGCCGGCTGCATTGTTTGCAATACTTTG
 V A F H F N P R F K R A G C I V C N T L
 ATAAATGAAAAATGGGGACGGGAAGAGATCACCTATGACACGCCTTTCAAAGAGAAAAAG
 I N E K W G R E E I T Y D T P F K R E K
 TCTTTTGAGATCGTGATTATGGTGCTGAAGGACAAATTCCAGGTGGCTGTAAATGGAAAA
 S F E I V I M V L K D K F Q V A V N G K
 CATACTCTGCTCTATGGCCACAGGATCGGCCAGAGAAAATAGACACTCTGGGCATTTAT
 H T L L Y G H R I G P E K I D T L G I Y
 GGCAAAGTGAATATTTCACTCAATTGGTTTTAGCTTCAGCTCGGACTTACAAAGTACCCAA
 G K V N I H S I G F S F S S D L Q S T Q
 GCATCTAGTCTGGAAGTACAGAGATAAGTAGAGAAAATGTTCCAAAGTCTGGCAGCCCC
 A S S L E L T E I S R E N V P K S G T P
 CAGCTTGAGATATTTTTGCCTGGGTTATTTTCATGTGGAATATTTTATAAAGTTGCATAG
 Q L V S I F A W V I S C G I F Y K V A *
 AAAATGAACAGTTTAAACCGTGGAGGGCAGCTTCATTTCATTCCATTCTTACTGTAGAAC
 TGTTTCCCTACAGCCTAGTAATAGAGGAGGAGACATTTCTAAAATCGCACCCAGAAGTGT
 CTACACCAAGAGCAAAGATTGACTGTCAATCACACTTTGACTTGACCAAAAATACCACC
 TATGAAGTATGTGTCAAAGGGTTTGAAGAGCACCAAATTTCTTAACTCTATATAAAAAAT
 TAAGTTGTAATGAGCTGTTACGAGTAACCTGTATCCACAATAGAGGCCCAAAGCAGCCCC
 CTCTGCATTTGTGTGCCGTCCCTGGACGGATTGAGAGTCAACCAGGCCTGCCTCTGAGC
 CATTCTGTGTATTTCTCAGCACCTCCCTGCTTGGCTGCTTCCCTTCAGGCAGAACAC
 AGTACTGCCTCAGACCCAGGCACAGGGGGCCTTCTGGCGTGTTTCACTCATACAGAGG
 GCATCGGGTCCCACCTGTCACTCATTTTCATCGTCTAAAATGTAATCATGTGTGTTTGCT
 TCGAGCCAGGGACAGTGCTGCTGCAGGGGACCCAGCTGGGACCAAGGCAGACTGTCTCTC
 CCCTCCTGGGATTTACAGGGTCATGGCTCTGAAACATTCCGTAGTGTTCTTTGGACACGA
 GTTTTCCCTGGAGATCGCTTCTGCAGGCTCTTGGTCTGACTGTGGCTTCTTTTCAGAG
 GCTGCCATTTGCTGCAAGGTTGAACACCCCATGGGCCCTGGACGAACTGTCGTCGTTA
 AAGGAGAAGTGAATGCAATGCCAAAAGCTTTAATGTTGACCTACTAGCAGGAAAAATCAA
 AGGATATTGCTCTACACTTGAACCCACGCCTGAATATTAAAGCATTTGTAAGAAATCTT
 TTCTTCAGGAGTCTGGGGAGAAGAAGAGAGAAATATTACCTCTTTCCATTTAGTCCTG
 GGATGTACTTTGAGATGATAATTTATTGTGATGTTAGAGAATTCAAGGTTGACAGTAATG
 GCGTACACAGCCTGGAGTACAAACACAGATTTAAAGAGCTCAGCAGTATTGACAGCTGG
 AAATTAATGGAGACATCCACTTACTGGAAGTAAGGAGCTGGTAGCCTACCTACACAGCTG

FIG. 4A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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Inventor: Ni *et al.* Art Unit: 1642
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CTACAAAACCAAAATACAGAATGGCTTCTGTGATACTGGCCTTGCTGAAACGCAAAAAA
AAAAAAAAAAAAAAAA

FIG.4B

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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Inventor: Ni et al. Art Unit: 1642
 Appl. No.: 09/263,689 Filed: March 5, 1999
 Title: Galectin 9 and 10SV Polypeptides
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M	T	-	-	-	-	-	G	E	L	E	V	K	N	M	-	-	-	-	-	-	-	-	-	G	alectin 2 hu																
M	A	D	N	F	-	-	S	L	H	D	A	L	S	G	S	G	N	P	N	P	Q	Q	W	-	-	G	alectin 3 hu														
M	A	Y	V	P	A	P	G	Y	Q	P	T	L	P	Y	K	R	P	I	P	G	C	L	S	V	G	M	S	I	Y	I	Q	G	-	I	A	G	alectin 4 rat				
M	-	-	S	S	F	S	T	Q	T	P	Y	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	alectin 5 rat					
M	S	N	V	P	-	-	-	-	-	-	-	-	H	K	S	S	L	P	E	G	I	R	P	G	I	V	L	R	I	R	G	-	L	V	G	alectin 7 hu					
M	A	D	G	E	-	-	-	-	-	-	-	-	S	L	N	D	A	L	A	G	S	G	N	P	N	P	Q	Q	W	-	-	-	-	-	-	G	alectin 3 rat				
M	-	L	S	L	S	N	L	Q	N	I	I	Y	N	P	T	I	P	Y	V	S	T	I	T	E	Q	L	K	P	G	S	L	I	V	I	R	G	H	V	-	G	alectin 8 rat
M	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	alectin 1 hu		
M	A	Y	V	P	A	P	G	Y	Q	P	T	L	P	Y	Y	Q	P	I	P	G	G	L	N	V	G	M	S	V	Y	I	Q	G	-	V	A	V	A	G	alectin 8 hu		
M	-	A	E	S	G	S	Q	A	P	Y	L	S	P	A	V	P	F	S	G	T	I	Q	G	G	L	Q	D	G	L	Q	I	T	V	N	G	T	V	L	G	alectin 9 hu	
M	M	L	S	L	N	N	L	Q	N	I	I	Y	N	P	V	I	P	F	V	G	T	I	P	D	Q	L	D	P	G	T	L	I	V	I	R	G	H	V	-	G	alectin 10

	11	23	40	11	27	23	39	11	40	39	40
11	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---
40	K	D	N	R	F	H	V	N	F	A	V
11	---	---	---	---	---	---	---	---	---	---	---
27	P	P	N	A	S	R	F	H	V	N	L
23	---	---	---	---	---	---	---	---	---	---	---
39	P	K	D	S	E	R	F	Q	V	D	F
11	---	---	---	---	---	---	---	---	---	---	---
40	S	E	H	M	K	R	F	F	V	N	F
39	S	S	G	T	R	F	A	V	N	F	Q
40	P	S	D	A	D	R	F	Q	V	D	L

FIG. 5A

Inventor: Ni et al. Art Unit: 1642
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FIG. 5B

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FIG. 5C

45	HFNP	RFSE	---	STI	VCNS	LDGS	NWG	QEQR	EDH	---	LCF	SP	Galectin 2 hu																											
158	HFNP	RFNE	NR	---	RVI	VCN	TKLD	NNWG	REER	QSV	---	FPF	ES	Galectin 3 hu																										
238	HMP	RI	CD	---	VVR	NS	SY	MNG	SWG	SEER	KIP	YN	---	PF	GA	Galectin 4 rat																								
57	HLNP	RF	DENA	---	VVR	N	TQ	IN	SWG	PEER	SL	PG	SM	PF	SR	Galectin 5 rat																								
118	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	Galectin 7 hu																								
170	HFNP	RFNE	NR	---	RVI	VCN	TKQ	DN	NNWG	REER	QSA	---	FPF	ES	Galectin 3 rat																									
228	HLNP	RL	NV	KA	---	FVR	NS	FL	QDA	WG	EEER	NIT	TC	---	FPF	SS	Galectin 8 rat																							
45	HFNP	RFNA	HG	DAN	---	I	VC	NS	KD	GGA	WG	TE	QRE	EA	---	FPF	QP	Galectin 1 hu																						
236	HI	NP	RM	NGT	---	VVR	NS	SL	LNG	SWG	SEER	KIT	HN	---	FPF	GP	Galectin 8 hu																							
223	HLNP	RF	DENA	---	---	VVR	N	TQ	ID	NS	SWG	SEER	SL	PR	KM	PF	VVR	Galectin 9 hu																						
229	HLNP	RL	NI	KA	---	FVR	NS	FL	QES	SWG	EEER	NIT	TA	---	FPF	SP	Galectin 10																							
79	GSE	V	K	F	T	V	T	F	E	S	D	K	F	K	V	K	L	P	D	G	H	E	L	T	F	P	N	R	L	---	G	H	S	H	L	S	Y	L	Galectin 2 hu	
195	GK	P	F	K	I	Q	V	L	V	E	P	D	H	F	K	V	A	V	N	D	A	H	L	L	Q	Y	N	H	R	V	K	K	L	N	E	I	S	K	L	Galectin 3 hu
272	GQ	F	F	D	L	S	I	R	C	G	T	D	R	F	K	V	F	A	N	G	Q	H	L	F	D	F	S	H	R	F	Q	A	F	Q	R	V	D	M	L	Galectin 4 rat
93	GQ	R	F	S	V	W	I	L	C	E	G	H	C	F	K	V	A	V	D	G	Q	H	T	C	E	Y	S	H	R	L	M	N	L	P	D	I	N	T	L	Galectin 5 rat
118	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	Galectin 7 hu
207	GK	P	F	K	I	Q	V	L	V	E	A	D	H	F	K	V	A	V	N	D	V	H	L	L	Q	Y	N	H	R	M	K	N	L	R	E	I	S	Q	L	Galectin 3 rat
263	GM	Y	F	E	M	I	I	Y	C	D	V	R	E	F	K	V	A	V	N	G	V	H	S	L	E	Y	K	H	R	F	K	D	L	S	I	D	T	L	Galectin 8 rat	
83	GS	V	A	E	V	C	I	T	F	D	Q	A	N	L	T	V	K	L	P	D	G	Y	E	F	K	F	P	N	R	L	---	N	L	E	A	I	N	Y	M	Galectin 1 hu
271	GQ	F	F	D	L	S	I	R	C	G	L	D	R	F	K	V	Y	A	N	G	Q	H	L	F	D	F	A	H	R	L	S	A	F	Q	R	V	D	T	L	Galectin 8 hu
259	GQ	S	F	S	V	W	I	L	C	E	A	H	C	L	K	V	A	V	D	G	Q	H	L	F	E	Y	Y	H	R	L	R	N	L	P	T	I	N	R	L	Galectin 9 hu
264	GM	Y	F	E	M	I	I	Y	C	D	V	R	E	F	K	V	A	V	N	G	V	H	S	L	E	Y	K	H	R	F	K	E	L	S	I	D	T	L	Galectin 10	

FIG.5D

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Inventor: Ni et al. Art Unit: 1642
 Appl. No.: 09/263,689 Filed: March 5, 1999
 Title: Galectin 9 and 10SV Polypeptides
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Galectin 2 hu
 Galectin 3 hu
 Galectin 4 rat
 Galectin 5 rat
 Galectin 7 hu
 Galectin 3 rat
 Galectin 8 rat
 Galectin 1 hu
 Galectin 8 hu
 Galectin 9 hu
 Galectin 10

118 S V R G G G F N M S S F K L K - E
 235 G I S G D I I D L T S A S Y T M I
 312 E I K G D I I L S Y V Q - - - I
 133 E V A G D I I Q L T H V E - - - T
 123 E V G G D V Q L L D S V R - I - F
 247 G I I G D I I T L T S A S H A M I
 303 A V D G D I R L L D V R - S W
 122 A A D G D F K I K C V A F - - - D
 311 E I Q G D V T L S Y V Q - I -
 299 E V G G D I I Q L T H V Q - T -
 304 E I N G D I I H L L E V R - S W

FIG.5E

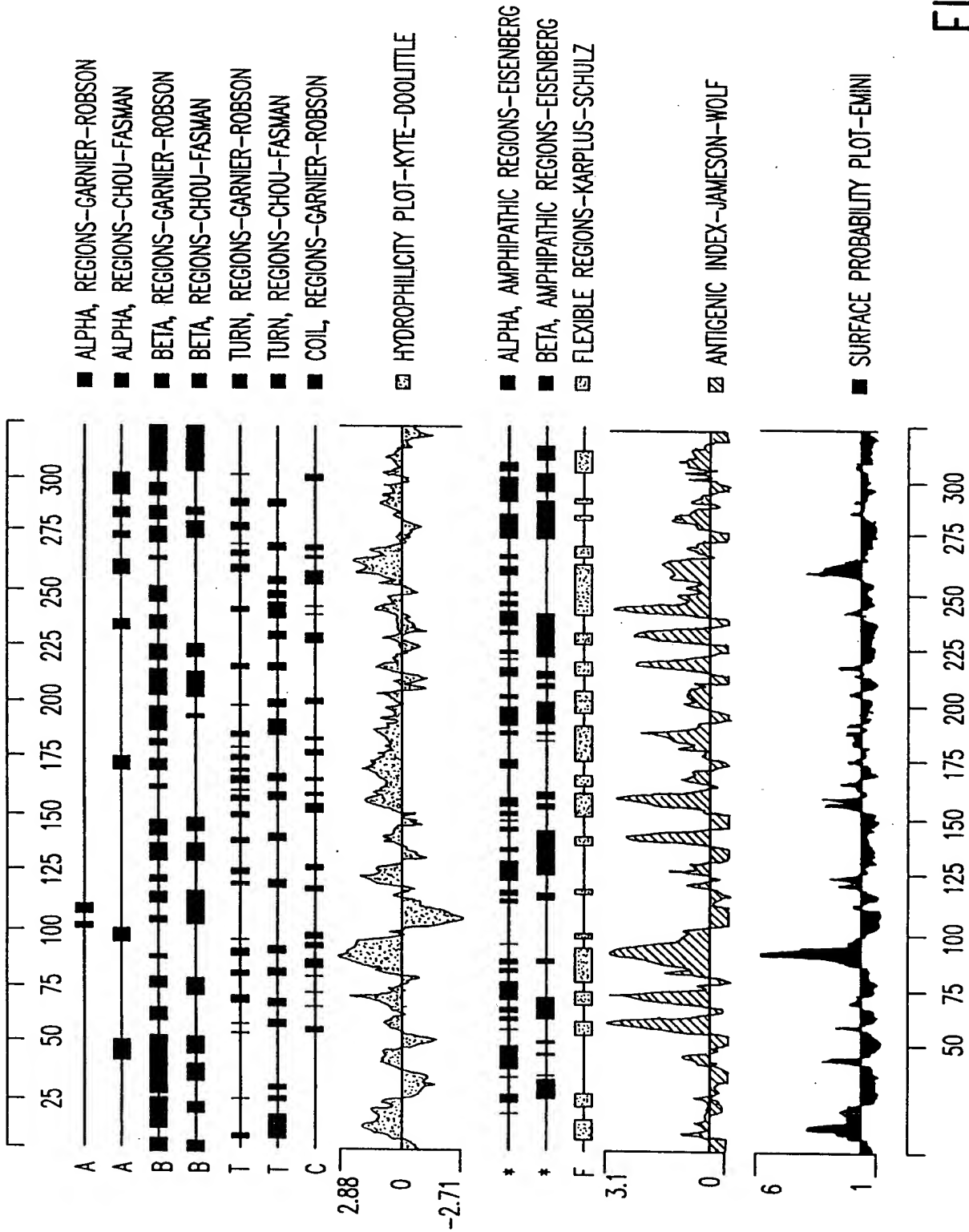


FIG.8

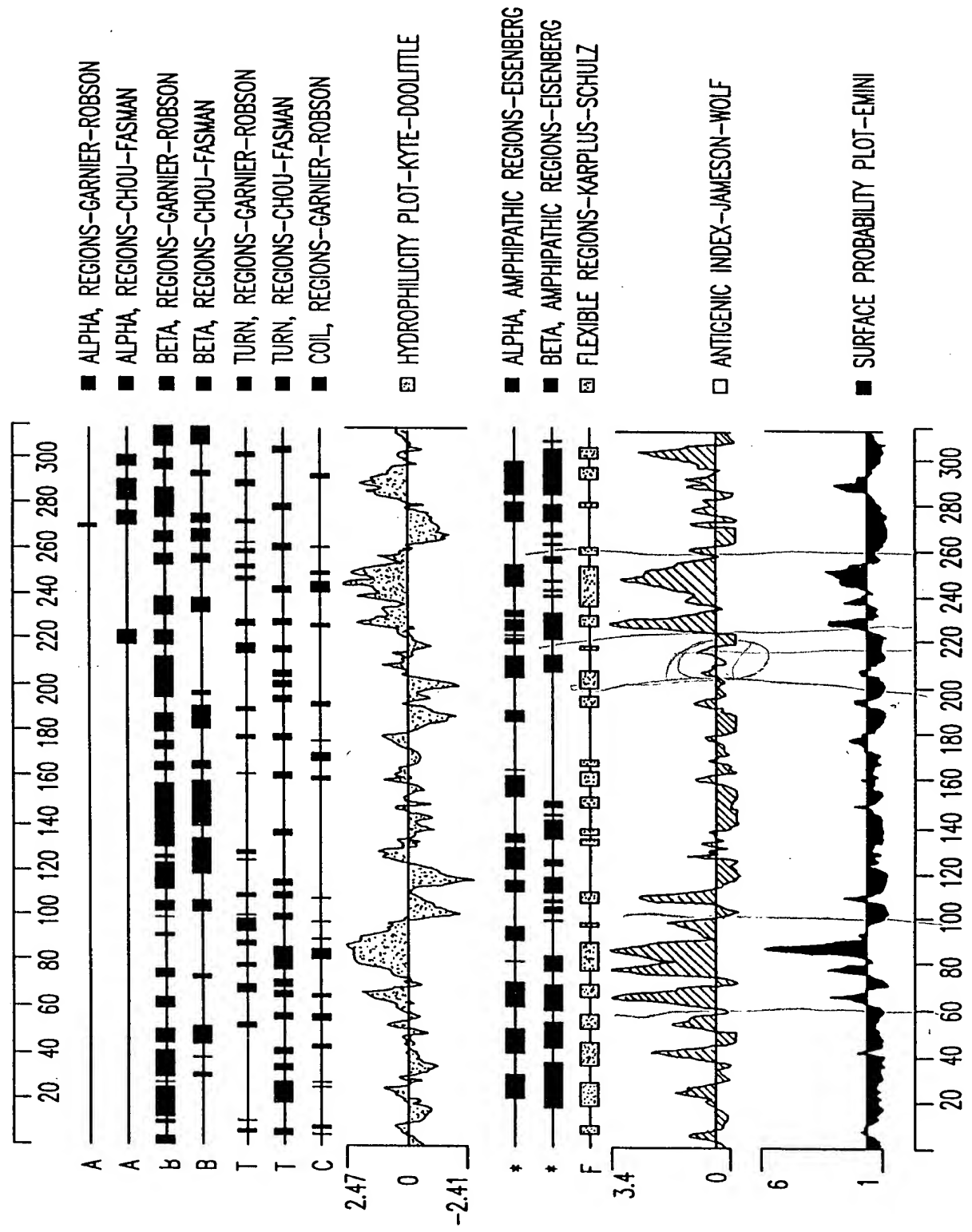


FIG.9

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Inventor: Ni et al. Art Unit: 1642
 Appl. No.: 09/263,689 Filed: March 5, 1999
 Title: Galectin 9 and 10SV Polypeptides
 17 Sheet of 18 Sheets
 Docket No.: 1488.0560002

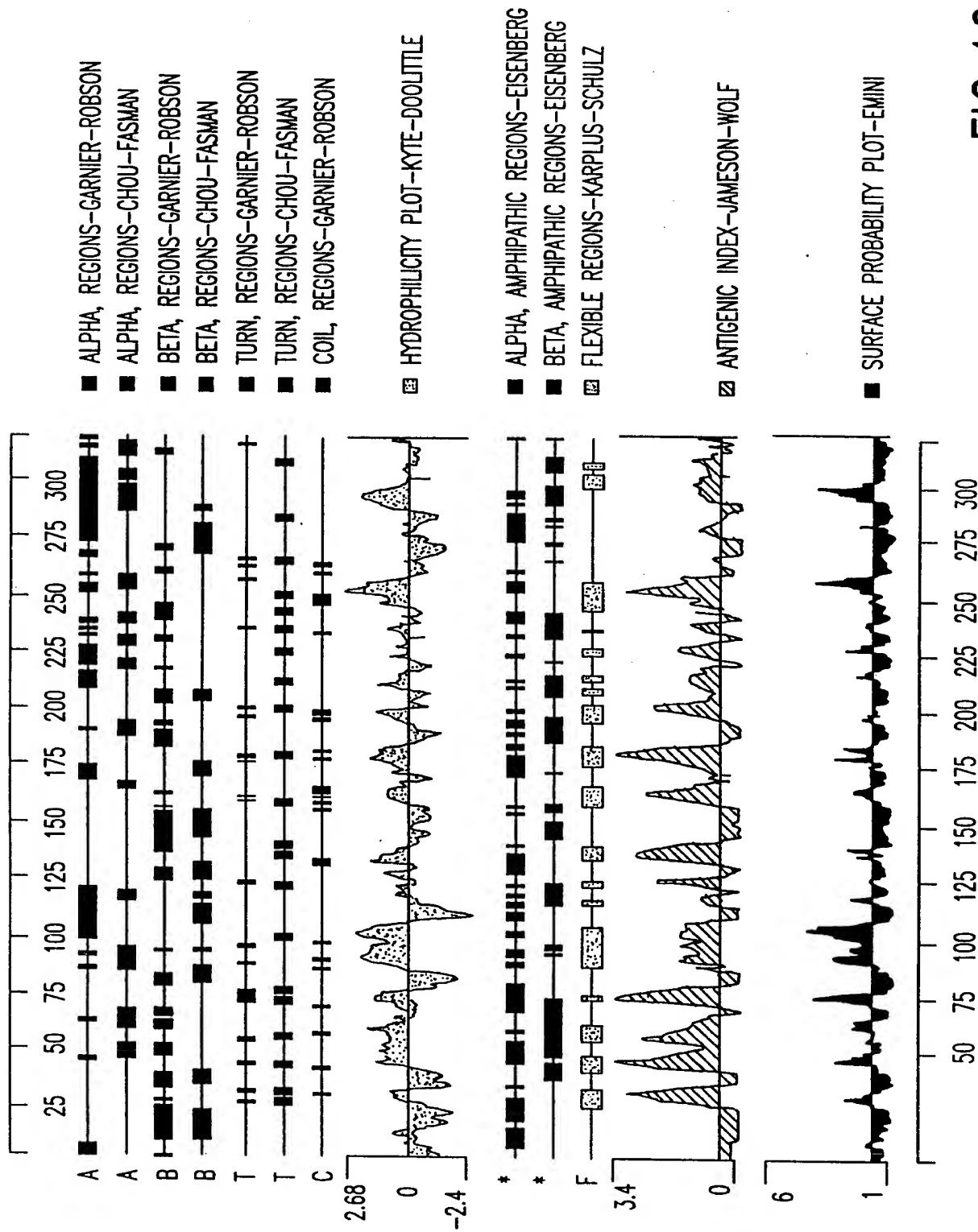


FIG.10

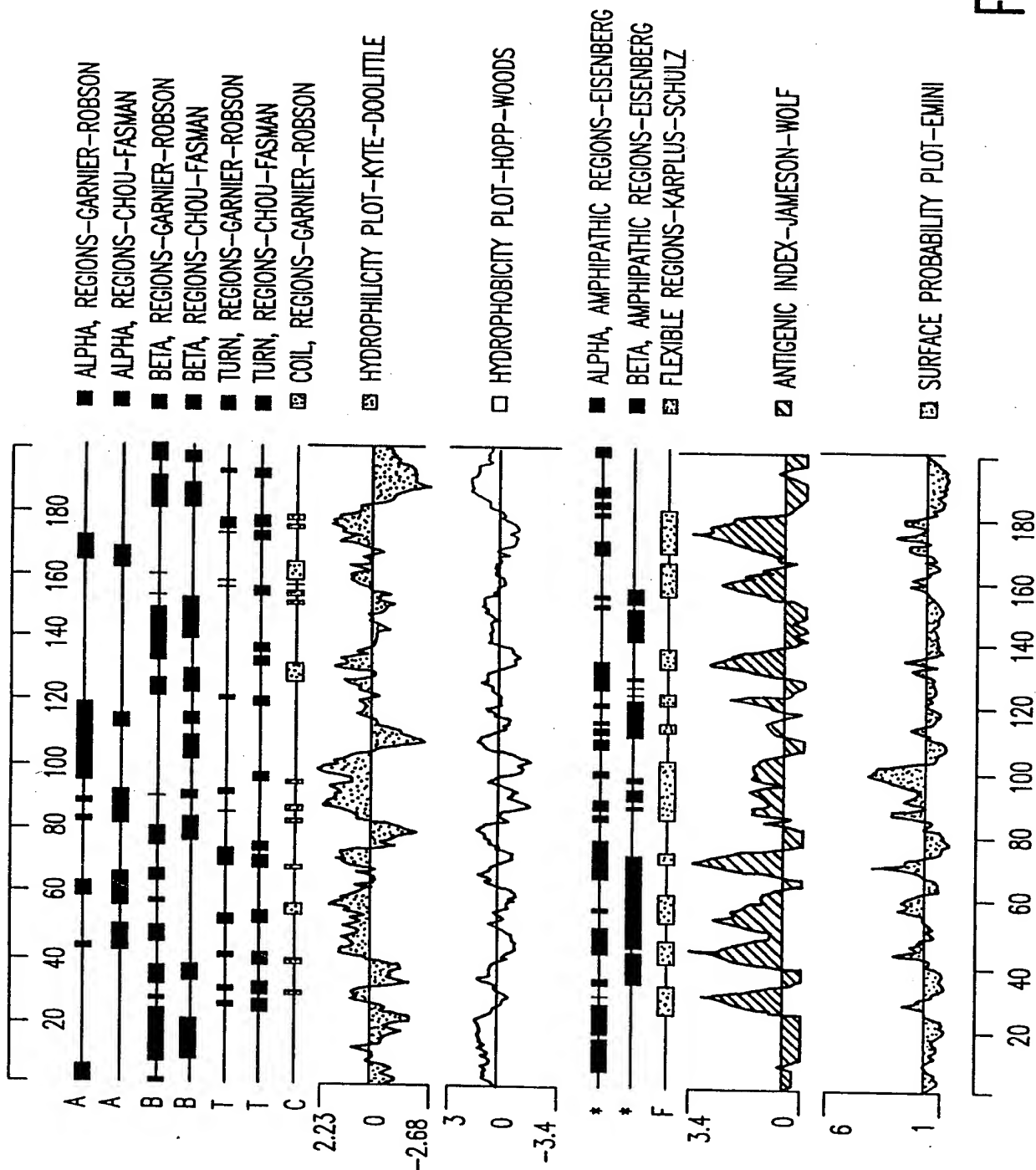


FIG.11